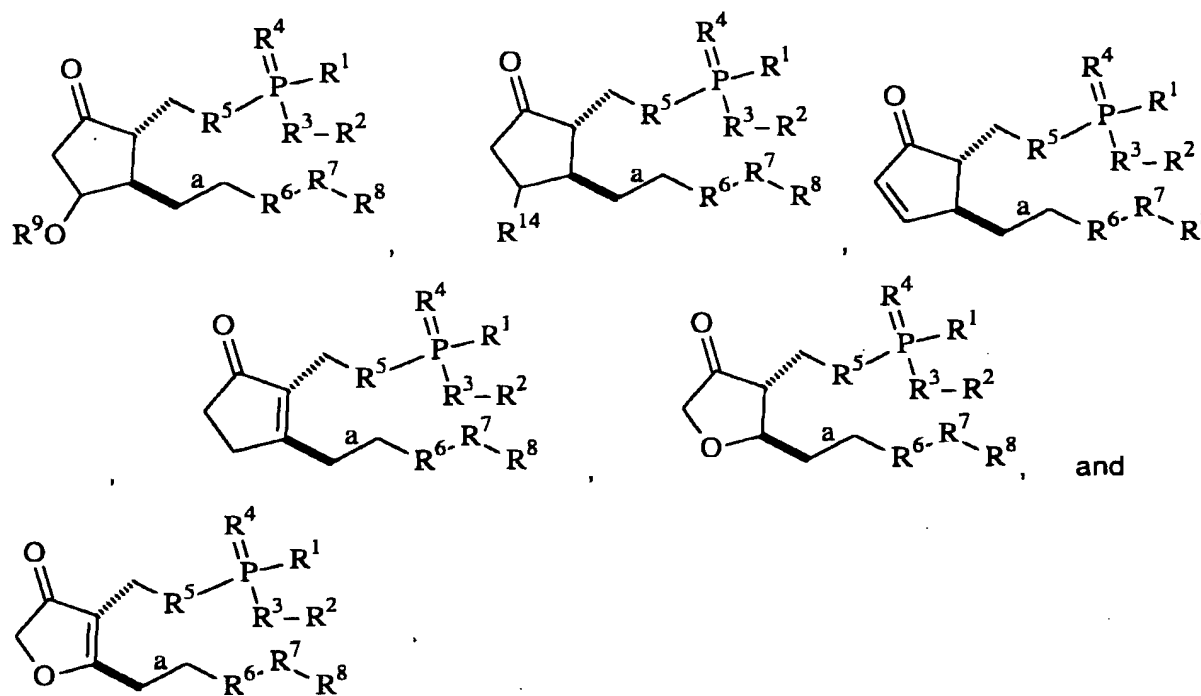


AMENDMENTSIn the claims

Please cancel claims 12, 15, 17 to 27 and 29, without prejudice.

Please amend claims 1 and 28, as follows:

1. (Twice Amended) A 2-decarboxy-2-phosphinico prostaglandin derivative having a structure selected from the group consisting of:



wherein bond a is selected from the group consisting of a single bond, a *trans* double bond, and a triple bond;

R¹ is selected from the group consisting of a hydrogen atom, a monovalent hydrocarbon group having 1 to 4 carbon atoms, and a monovalent heterogenous group having 1 to 4 member atoms, wherein the member atom directly adjacent to P in said heterogenous group is not oxygen;

R² is selected from the group consisting of a hydrogen atom, a monovalent hydrocarbon group, a substituted monovalent hydrocarbon group, a monovalent heterogeneous group, a substituted monovalent heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, a heteroaromatic group, a substituted heteroaromatic group, a mono- or polyvalent inorganic cation and a mono- or polyvalent organic cation;

R³ is selected from the group consisting of an oxygen atom, a sulfur atom, and NH;

R⁴ is selected from the group consisting of an oxygen atom and a sulfur atom;

R^5 is a divalent group selected from the group consisting of a hydrocarbon group, a substituted hydrocarbon group, a heterogeneous group, and a substituted heterogeneous group;

R^6 is nil or a divalent group selected from the group consisting of $-CH_2-$, $-C(O)-$ and $-C(R^{10})(OR^{10})-$;

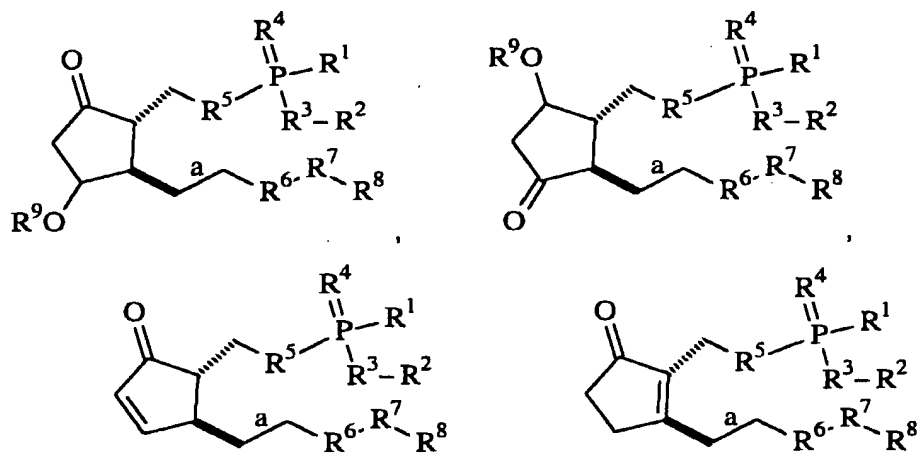
R^7 is nil or a divalent group having the formula $-(CD(D))_p-X-(CD(D))_q-$, wherein p is an integer from 0 to 3 and q is an integer from 0 to 3, X is selected from the group consisting of an oxygen atom, a divalent hydrocarbon group, a sulfur atom, SO , SO_2 , and ND , and each D is independently selected from the group consisting of a hydrogen atom, a monovalent hydrocarbon group of 1 to 4 carbon atoms, and a monovalent heterogeneous group of 1 to 4 member atoms;

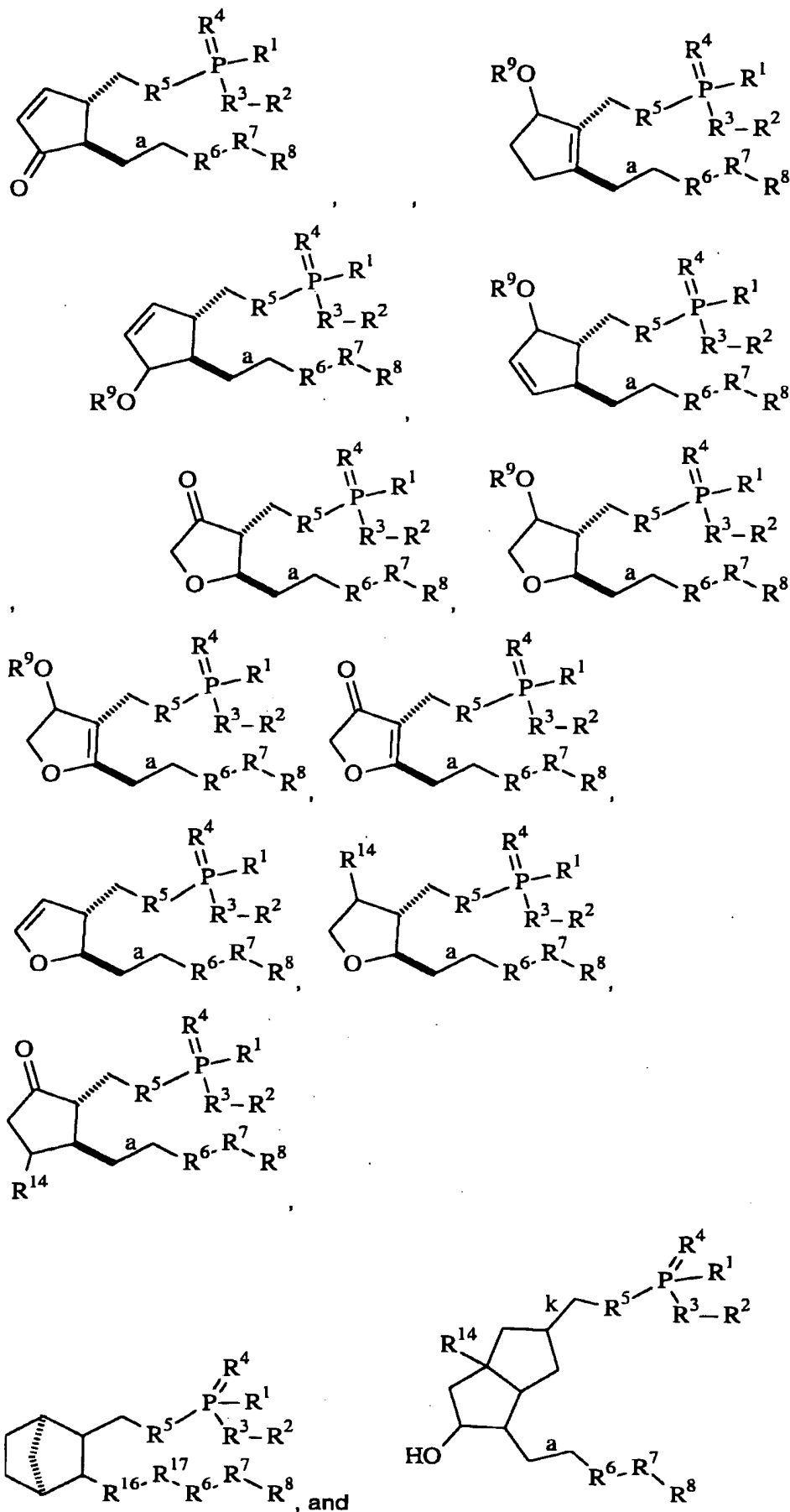
R^8 is selected from the group consisting of a hydrocarbon group, a substituted hydrocarbon group, a heterogeneous group, a substituted heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, a heteroaromatic group, and a substituted heteroaromatic group;

R^9 is selected from the group consisting of a hydrogen atom, a monovalent hydrocarbon group of 1 to 4 carbon atoms, and a monovalent heterogeneous group of 1 to 4 member atoms; and

R^{14} is independently selected from the group consisting of nil, a hydrogen atom, a halogen atom, a monovalent hydrocarbon group of 1 to 4 carbon atoms, and a monovalent heterogeneous group of 1 to 4 member atoms.

28. (Twice Amended) The compound of claim 1, wherein the derivative has a structure selected from the group consisting of:





wherein R^{14} is independently selected from the group consisting of nil, a hydrogen atom, a halogen atom, a monovalent hydrocarbon group of 1 to 4 carbon atoms, and a monovalent heterogenous group of 1 to 4 member atoms.